

Amendments to the Specification:

Please replace the paragraph at page 1, from line 2 through line 6, with the following paragraph:

-- This is a Continuation-in-Part of U.S. Application No. 10/764,238, filed January 23, 2004, which application claims the priority of U.S. Provisional Application No. 60/457,533, filed March 25, 2003, and also claims the foreign priority of United Kingdom Patent Application No. UK ~~0301566.5~~ 0301566.6, filed January 23, 2003, the entirety of each of which is incorporated herein by reference. --

Please replace the paragraph at page 33, from line 11 through line 12, with the following paragraph:

-- **Figure 42** shows the polynucleotide and polypeptide sequences for the identified genes provided in Table 1B.

Gene Identification Number 4885582 corresponds to SEQ ID NO: 174.

Protein Identification Number 4885583 corresponds to SEQ ID NO: 175.

Gene Identification Number 13699865 corresponds to SEQ ID NO: 176.

Protein Identification Number 11496279 corresponds to SEQ ID NO: 177.

Gene Identification Number 12711484 corresponds to SEQ ID NO: 178.

Protein Identification Number 12711485 corresponds to SEQ ID NO: 179.

Gene Identification Number 297101 corresponds to SEQ ID NO: 180.

Protein Identification Number 297102 corresponds to SEQ ID NO: 181.

Gene Identification Number 4502356 corresponds to SEQ ID NO: 182.

Protein Identification Number 4502357 corresponds to SEQ ID NO: 183.

Gene Identification Number 7662207 corresponds to SEQ ID NO: 184.

Protein Identification Number 7662208 corresponds to SEQ ID NO: 185.

Gene Identification Number 4507274 corresponds to SEQ ID NO: 186.

Protein Identification Number 4507275 corresponds to SEQ ID NO: 187.

Gene Identification Number 4507830 corresponds to SEQ ID NO: 188.

Protein Identification Number 4507831 corresponds to SEQ ID NO: 189.

Gene Identification Number 4505836 corresponds to SEQ ID NO: 190.

Protein Identification Number 4505837 corresponds to SEQ ID NO: 191.

Gene Identification Number 4759051 corresponds to SEQ ID NO: 192.

Protein Identification Number 4759052 corresponds to SEQ ID NO: 193.

Gene Identification Number 6063018 corresponds to SEQ ID NO: 194.

Protein Identification Number 6063019 corresponds to SEQ ID NO: 195.

Gene Identification Number 21071078 corresponds to SEQ ID NO: 196.

Protein Identification Number 10092615 corresponds to SEQ ID NO: 197.

Gene Identification Number 21361100 corresponds to SEQ ID NO: 198.

Protein Identification Number 21361101 corresponds to SEQ ID NO: 199.

Gene Identification Number 8923529 corresponds to SEQ ID NO: 200.

Protein Identification Number 8923530 corresponds to SEQ ID NO: 201.

Gene Identification Number 10435341 corresponds to SEQ ID NO: 202.

Gene Identification Number 9963850 corresponds to SEQ ID NO: 203.

Protein Identification Number 9963851 corresponds to SEQ ID NO: 204.

Gene Identification Number 16357473 corresponds to SEQ ID NO: 205.

Protein Identification Number 16357474 corresponds to SEQ ID NO: 206.

Gene Identification Number 10799802 corresponds to SEQ ID NO: 207.

Protein Identification Number 10799803 corresponds to SEQ ID NO: 208.

Gene Identification Number 4503458 corresponds to SEQ ID NO: 209.

Protein Identification Number 4503459 corresponds to SEQ ID NO: 210.

Gene Identification Number 606756 corresponds to SEQ ID NO: 211.

Protein Identification Number 606757 corresponds to SEQ ID NO: 212.

Gene Identification Number 604499 corresponds to SEQ ID NO: 213.

Protein Identification Number 604500 corresponds to SEQ ID NO: 214.

Gene Identification Number 1488262 corresponds to SEQ ID NO: 215.

Protein Identification Number 1488263 corresponds to SEQ ID NO: 216.

Gene Identification Number 1616778 corresponds to SEQ ID NO: 217.

Protein Identification Number 1616779 corresponds to SEQ ID NO: 218.

Gene Identification Number 1894946 corresponds to SEQ ID NO: 219.

Protein Identification Number 1894947 corresponds to SEQ ID NO: 220.

Gene Identification Number 297049 corresponds to SEQ ID NO: 221.

Protein Identification Number 297050 corresponds to SEQ ID NO: 222.

Gene Identification Number 22067477 corresponds to SEQ ID NO: 223.

Protein Identification Number 14776113 corresponds to SEQ ID NO: 224.

Gene Identification Number 1914774 corresponds to SEQ ID NO: 225.

Protein Identification Number 1914775 corresponds to SEQ ID NO: 226. --

Please replace the paragraph from page 101, line 23 through page 102, line 10, with the following paragraph:

-- Preferably, the polynucleotide, polypeptide, compound or vector, etc described here may be delivered into cells by being conjugated with, joined to, linked to, fused to, or otherwise associated with a protein capable of crossing the plasma membrane and/or the nuclear membrane (i.e., a membrane translocation sequence). Preferably, the substance of interest is fused or conjugated to a domain or sequence from such a protein responsible for the translocational activity. Translocation domains and sequences for example include domains and sequences from the HIV-1-trans-activating protein (Tat), *Drosophila* Antennapedia homeodomain protein and the herpes simplex-1 virus VP22 protein. In a highly preferred embodiment, the substance of interest is conjugated with penetratin protein or a fragment of this. Penetratin comprises the sequence RQIKIWFQNRRMKWKK (SEQ ID NO: 1) and is described in Derossi et al., 1994, *J. Biol. Chem.* 269:10444-50; use of penetratin-drug conjugates for intracellular delivery is described in WO 00/01417. Truncated and modified forms of penetratin may also be used, as described in WO 00/2927. --

Please replace the paragraph at page 147, from line 1 through line 4, with the following paragraph:

-- MS

Sense : UGAGAAUGUGAUGCGCGUCTT (SEQ ID NO: 2)

Antisense: GACGCGCAUCACAUCUCATT (SEQ ID NO: 3) --

Please replace the paragraph at page 148, from line 1 through line 3, with the following paragraph:

-- Survivin (Survivin B, SurB, SURB, SUR)

Sense : GAACUGGCCCUUCUUGGAGtt (SEQ ID NO: 4)

Antisense: CUCCAAGAAGGGCCAGUUCtt (SEQ ID NO: 5) --

Please replace the paragraph at page 148, from line 6 through line 8, with the following paragraph:

-- PI3KR1

Sense : AUGAUCGAUGUGCACGUUUtt (SEQ ID NO: 6)

Antisense: AAACGUGCACAUCGAUCAUtt (SEQ ID NO: 7) --

Please replace the paragraph at page 148, from line 10 through line 13, with the following paragraph:

-- BCL2

Sense : GUACAUCCAUAUAAGCUGtt (SEQ ID NO: 8)

Antisense: CAGCUUAUAAUGGAUGUACtt (SEQ ID NO: 9) --

Please replace the paragraph at page 148, from line 14 through line 16, with the following paragraph:

-- c-Raf (CRAF)

Sense : UAGUUCAGCAGUUUGGCUAtt (SEQ ID NO: 10)

Antisense: UAGCCAAACUGCUGAACUAtt (SEQ ID NO: 11) --

Please replace the paragraph at page 151, from line 8 through line 9, with the following paragraph:

-- QPCR Primers, designed by MWG Biotech as described previously, are as follows.

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
OAS1 (NM_002534)	GCGCCCCACCAAGCTCAAGA (SEQ ID NO: 12)	GTCCGAAATCCCTGGGCTGTGTT (SEQ ID NO: 13)
GBP1 (NM_002503)	TATGGTGGTGGTGGCAATTG TGG (SEQ ID NO: 14)	ACGGCCAGGGCGAAGATCC (SEQ ID NO: 15)

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Please replace Table 4 at page 183, with the following Table 4:

-- TABLE 4 QPCR primers for Target Genes:

Gene	Forward Primer (5'-3')	Reverse Primer (5'-3')
MAK	GGGAGCTGGTGGCCATCAAAA (SEQ ID NO: 16)	TGGATAAAAGCCAGCCCTTGCA (SEQ ID NO: 17)
GPR86	TGAGCGGTGCCCCAGAGACA (SEQ ID NO: 18)	CAGGGTGCCAGGTGTGAGTCAGA (SEQ ID NO: 19)
PCTAIRE	GCCGCTCAGCCGCATGTCC (SEQ ID NO: 20)	GGCGCTCCCTCCTCGTGCTC (SEQ ID NO: 21)
GRAF	CAGCGAAGCGGAAGTTTGCAGA (SEQ ID NO: 22)	CTTCCTTGGCAGCCCCGATC (SEQ ID NO: 23)
MPSK1	CGCGCTGTGTGTCTGCTCTCG (SEQ ID NO: 24)	GCGAAGGATGTTGGGGTGATTG (SEQ ID NO: 25)
RBS5PK	GCCGCCAAAAAAGTGCCTGC (SEQ ID NO: 26)	TCCTTCATCATTGCACTCCTGGC (SEQ ID NO: 27)

TLK2	GCAGTTCCCGCCAAAGCCAGTA (SEQ ID NO: 28)	GGACGCCCCAGAGGTTGATGC (SEQ ID NO: 29)
EK1	CGGGCCGGGCTCAGTTCA (SEQ ID NO: 30)	CGGCGGAGACTACCACCACGA (SEQ ID NO: 31)
MKNK	CAAGCAGGGCACAGTCGGAGTAG (SEQ ID NO: 32)	CGGCTGGCTTCTCGCTCATTG (SEQ ID NO: 33)
NTKL	GGCAGCCCCGTGTCCATCTTC (SEQ ID NO: 34)	CCAGCCTCCACTCTCGCCTTGA (SEQ ID NO: 35)
CDC42	CAAAGCGAGAACGGCATAACGAG (SEQ ID NO: 36)	CCGGGCATCTTTCTCGTCACTG (SEQ ID NO: 37)
RBSK	GGCGGCGTCTGGGGAACC (SEQ ID NO: 38)	AGCCGAGCAGCTTGGACACACTG (SEQ ID NO: 39)
EDG6	CGGCGGTCAACCCCATCATCT (SEQ ID NO: 40)	CCCGCATCCGAAAGCTGAGC (SEQ ID NO: 41)
CNK/PRK	CGCGGACCTGAGCTGGAGATG (SEQ ID NO: 42)	TGGCGACGCGGCTCTGC (SEQ ID NO: 43)
MAPKK5	CGGGCCGCAGTTACTCTTCAGG (SEQ ID NO: 44)	CCGGCCCGAGTATTCACCTTCA (SEQ ID NO: 45)
P14KB	CGGAGGGGGTCTGGGGAAC (SEQ ID NO: 46)	GCGGCCCCCATCTCATCTTC (SEQ ID NO: 47)
FLT4	TGCCGTGAACCCCATCGAGAG (SEQ ID NO: 48)	CGTGGACAGGTTGAGGCGGTAC (SEQ ID NO: 49)
PSKH1	CCCGAGCCACCCAAGGATGTC (SEQ ID NO: 50)	GGCCCTGCGTGGTGGTTCTGA (SEQ ID NO: 51)
ITPKC	AGCCGGGACAGCAGCGACCT (SEQ ID NO: 52)	TTTGCTTGGGCCTCTCGGTCTC (SEQ ID NO: 53)
ROCK	GTGGGCTTGGGAAACGCTC (SEQ ID NO: 54)	TCTGCATTGGAGCTAGTTCTGTTAT C (SEQ ID NO: 55)

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Please replace Table 8 at page 187, with the following Table 8:

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Table 8. Q-PCR primers for target genes and relevant control genes.			
Gene	Forward Primer (5' to 3') ¹	Reverse Primer (5' to 3') ¹	Conc. ²
GRAF	GATAGTCCGCACTTCCG (SEQ ID NO: 56)	GAGTGACTTCCCGTCCTT (SEQ ID NO: 57)	100 nM
ULK1	GACTTCCAGGAAATGGCT (SEQ ID NO: 58)	AGAGCCTGATGGTGTCTT (SEQ ID NO: 59)	100 nM

EKI	CGTCGTGGTGGTAGTCTC (SEQ ID NO: 60)	GATGCTCCTCCTGATCCT (SEQ ID NO: 61)	100 nM
ROCK1	GCATAAATCCACCAGGAA (SEQ ID NO: 62)	ATGTCCCTTTCTTCCCAG (SEQ ID NO: 63)	100 nM
NTKL	TACCTCAAGGCGAGAGTG (SEQ ID NO: 64)	CAGTCGTTGACCAGGAAG (SEQ ID NO: 65)	100 nM
RBSK	ATACGGAGGATCTGAGGG (SEQ ID NO: 66)	TCCAAAGAAGTTGCTGGA (SEQ ID NO: 67)	100 nM
DAGK	GGAAGGTGACGCTCACCAAG (SEQ ID NO: 68)	ACATGAAATTGCAGACGTCGC (SEQ ID NO: 69)	200 nM
ITPKC	CAGACGGACAGACTGAGC (SEQ ID NO: 70)	TCCATTCTAGATGCGTCC (SEQ ID NO: 71)	100 nM
UKH	TGCAGTACGATGTGCTTG (SEQ ID NO: 72)	CAGCACTTTCCTGGTCTG (SEQ ID NO: 73)	100 nM
BAI2	CCTGCTGAGGCCGATTTG (SEQ ID NO: 74)	TTTCACTTTCGGTTCCTCTTCC (SEQ ID NO: 75)	100 nM
GPR12	AAGGTCAATTTAAGCGGGCTG (SEQ ID NO: 76)	TCTGGCTCTACGGCAGGAAC (SEQ ID NO: 77)	200 nM
GPR86	AGGTGACACTGGAAGCAA (SEQ ID NO: 78)	CACTGTGTAGAGGGCTGG (SEQ ID NO: 79)	100 nM
Bcl2	CACGCTGGGAGAACAGGGT (SEQ ID NO: 80)	CACATCTCCCGCATCCCA (SEQ ID NO: 81)	100 nM
Survivin B	TCAAGGACCACCGCATCTCT (SEQ ID NO: 82)	CAGTGGATGAAGCCAGCCTC (SEQ ID NO: 83)	100 nM
GAPDH	CGACCACTTTGTCAAGCTCA (SEQ ID NO: 84)	GGGTCTTACTCCTTGGAGGC (SEQ ID NO: 85)	100 nM

¹Primers are synthesised by MWG-Biotech. ²The final concentration of each primer in a Q-PCR reaction.

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Please replace Table 9 at page 188, with the following Table 9:

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Table 9. Sequence of siRNA oligonucleotides.		
Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
GRAF	GCGGAAGUUUGCAGAUUCCtt (SEQ ID NO: 86)	GGAAUCUGCAAACUUCCGCtt (SEQ ID NO: 87)
ULK1 ¹	GGAACUGAAACAUGAAAACtt (SEQ ID NO: 88)	GUUUUCAUGUUUCAGUUCctt (SEQ ID NO: 89)
EKI	GCACUGGAUCCAAAGCAUGtt (SEQ ID NO: 90)	CAUGCUUUGGAUCCAGUGCtt (SEQ ID NO: 91)

ROCK	UACAUGCCUGGUGGAGAUCtt (SEQ ID NO: 92)	GAUCUCCACCAGGCAUGUAAtt (SEQ ID NO: 93)
NTKL	UGUGGAGCUGAUGAAGCACtt (SEQ ID NO: 94)	GUGCUUCAUCAGCUCCACAAtt (SEQ ID NO: 95)
RBSK	CGUCCUGGAGUGACAAAUGtt (SEQ ID NO: 96)	CAUUUGUCACUCCAGGACGtt (SEQ ID NO: 97)
DAGK ¹	GGCUGCACAACAAGGGUGUtt (SEQ ID NO: 98)	ACACCCUUGUUGUGCAGCCtg (SEQ ID NO: 99)
ITPKC	GUCCUGGGCUGAUAACCUCtt (SEQ ID NO: 100)	GAGGUUAUCAGCCCAGGACtt (SEQ ID NO: 101)
UKH	AGCGCAAGACACUCUGUGGtt (SEQ ID NO: 102)	CCACAGAGUGUCUUGCGCUtt (SEQ ID NO: 103)
BAI2 ¹	GGACCUGUUUGGUACCAUCtt (SEQ ID NO: 104)	GAUGGUAGGAAAGAGGUCCtg (SEQ ID NO: 105)
GPR12 ¹	GGACGGUCACGUUUACCUAtt (SEQ ID NO: 106)	UAGGUAAACGUGACCGUCCtc (SEQ ID NO: 107)
GPR86	AAACACUUUGGUGGCCGACtt (SEQ ID NO: 108)	GUCGGCCACCAAAGUGUUUtt (SEQ ID NO: 109)
¹ siRNA sequences designed and synthesised by Ambion.		

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Please replace Table 11 at page 189, with the following Table 11:

-- TABLE 11

Gene	Sense Oligonucleotide (5'-3')	Antisense Oligonucleotide (5'-3')
MAK	GAAGCCAAGCAUGGGUGUUtt (SEQ ID NO: 110)	AACACCCAUGCUUGGCUUCtt (SEQ ID NO: 111)
GPR86	AAACACUUUGGUGGCCGACtt (SEQ ID NO: 112)	GUCGGCCACCAAAGUGUUUtt (SEQ ID NO: 113)
PCTAIRE	GUCAGUGCCCACAAAGACUtt (SEQ ID NO: 114)	AGUCUUUGUGGGGCACUGACtt (SEQ ID NO: 115)
GRAF	GCGGAAGUUUGCAGAUUCCtt (SEQ ID NO: 116)	GGAAUCUGCAAACUUCCGctt (SEQ ID NO: 117)
MPSK1	GGGUUAUGCCCACAGAGACtt (SEQ ID NO: 118)	GUCUCUGUGGGCAUAACCCtt (SEQ ID NO: 119)
MPSK1seq2 ¹	GCCGACAUGCAUCGCCUCUtt (SEQ ID NO: 120)	AGAGGCGAUGCAUGUCGGCtt (SEQ ID NO: 121)
RBS6PK	CGUCCUGGAGUGACAAAUGtt (SEQ ID NO: 122)	CAUUUGUCACUCCAGGACGtt (SEQ ID NO: 123)

TLK2A ²	GUGUUCCACCAGUUGCACGtt (SEQ ID NO: 124)	CGUGCAACUGGUGGAACACtt (SEQ ID NO: 125)
TLK2B ²	GAUGGCGUGUAGAGAUAAAGtt (SEQ ID NO: 126)	CUUAUCUCUACACGCCAUCtt (SEQ ID NO: 127)
EKI1	GCACUGGAUCCAAAGCAUGtt (SEQ ID NO: 128)	CAUGCUUUGGAUCCAGUGCtt (SEQ ID NO: 129)
MKNK	UACAUGGCCCCUGAGGUAGtt (SEQ ID NO: 130)	CUACCUCAGGGGCCAUGUAAtt (SEQ ID NO: 131)
MKNKseq2 ¹	AUUGCAAGGAGGUUCCAUCtt (SEQ ID NO: 132)	GAUGGAACCUCCUUGCAAUtt (SEQ ID NO: 133)
NTKL	UGUGGAGCUGAUGAAGCACtt (SEQ ID NO: 134)	GUGCUUCAUCAGCUCCACAAtt (SEQ ID NO: 135)
CDC42	GCUCAGCUUGAUGAUGCUGtt (SEQ ID NO: 136)	CAGCAUCAUCAAGCUGAGCtt (SEQ ID NO: 137)
RBSK	GACCUUCCGCUUACUCUGUtt (SEQ ID NO: 138)	ACAGAGUAAGCGGAAGGUCtt (SEQ ID NO: 139)
EDG6	CAUCACGCUGAGUGACCUGtt (SEQ ID NO: 140)	CAGGUCACUCAGCGUGAUGtt (SEQ ID NO: 141)
CNK/PRK	UCGUAGUGCUUGUACUUACtt (SEQ ID NO: 142)	GUAAGUACAAGCACUACGAAtt (SEQ ID NO: 143)
CNK/PRKseq2 ¹	CAGAAAGACUGUGCACUACtt (SEQ ID NO: 144)	GUAGUGCACAGUCUUUCUGtt (SEQ ID NO: 145)
MAPKK5	GAGGACAGGUUAAGCUGUGtt (SEQ ID NO: 146)	CACAGCUUAACCUGUCCUCtt (SEQ ID NO: 147)
P14KB	GCUACGGAAGCUGAUCCUCtt (SEQ ID NO: 148)	GAGGAUCAGCUUCCGUAGCtt (SEQ ID NO: 149)
FLT4	GUACGGCAACCUCUCCAACtt (SEQ ID NO: 150)	GUUGGAGAGGUUGCCGUACtt (SEQ ID NO: 151)
PSKH1	GAACCUGCACCGCUCCAUAAtt (SEQ ID NO: 152)	UAUGGAGCGGUGCAGGUUCtt (SEQ ID NO: 153)
PSKH1seq2 ¹	UUGGCCGAGGCAGCUUCAGtt (SEQ ID NO: 154)	CUGAAGCUGCCUCGGCCAAAtt (SEQ ID NO: 155)
ITPKC	GUCCUGGGCUGAUAAACCUCtt (SEQ ID NO: 156)	GAGGUUAUCAGCCCAGGACtt (SEQ ID NO: 157)
ROCK	UACAUGCCUGGUGGAGAUCtt (SEQ ID NO: 158)	GAUCUCCACCAGGCAUGUAAtt (SEQ ID NO: 159)
BAI2	GCUCUGCAGUAUGGCUGCCtt (SEQ ID NO: 160)	GGCAGCCAUACUGCAGAGCtt (SEQ ID NO: 161)
ULK1	UUCUGUCUACCUGGUUAUGtt (SEQ ID NO: 162)	CAUAACCAGGUAGACAGAAAtt (SEQ ID NO: 163)
DAGK	GAUCGUGCAGAUAGUAAACtt (SEQ ID NO: 164)	GUUACUCAUCUGCACGAUCtt (SEQ ID NO: 165)

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STK6	GCCGGUUCAGAAUCAGAAGtt (SEQ ID NO: 166)	CUUCUGAUUCUGAACCGGCtt (SEQ ID NO: 167)
FLJ13551	CACCAAUUAGUCAAAGCUtt (SEQ ID NO: 168)	AGCUUUGAACUAAUUGGUGtt (SEQ ID NO: 169)
GPR12	AGCGCUCUGUCUCAUUUGCtt (SEQ ID NO: 170)	GCAAAUGAGACAGAGCGCUtt (SEQ ID NO: 171)
UK	AGCGCAAGACACUCUGUGGtt (SEQ ID NO: 172)	CCACAGAGUGUCUUGCGCUtt (SEQ ID NO: 173)

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